



Amadeus Altéa Departure Control – Flight Management

Automate your load control and optimise every flight departure

Many airlines and ground-handling companies are still managing flights manually using multiple systems. Their load control experts waste valuable time loading the same data several times, increasing the risk of making mistakes.

The Amadeus solution automates the flight management process, boosting your airline's productivity while reinforcing safety.

Cut costs at take-off

Cutting fuel consumption is probably one of your key business priorities. Altéa Departure Control – Flight Management automates the Zero Fuel Weight calculation, so you know the precise quantity of fuel required in advance. It also eliminates last-minute fuelling, reducing costs due to delayed departures.

Altéa Departure Control – Flight Management optimises the use of aircraft capacity and gives you full visibility on available space in real time, so you know exactly how much extra cargo you can load, generating extra revenues.

What's more, optimizing fuel consumption has a positive impact on the environment and on your airline's image.

Boost your load controllers' productivity

Flight management is a complex task with teams of experts handling sophisticated calculations. Altéa Departure Control – Flight Management integrates and automates most of the decisions that your load controllers take. This means they can safely handle many flights simultaneously through a single, intuitive, graphical interface. Your load controllers no longer waste time switching between different systems.

You can now build customised flight departure plans quickly and easily using business rules: Altéa Departure Control – Flight Management automatically checks that they are followed.

Ramp and freight agents can use tablets to access data through dedicated HTML interfaces and they can send information directly to load controllers in real time.

Improve safety... automatically

Many airlines still handle flight management tasks manually. This increases the risk of errors which could potentially have an adverse impact on flight safety.

Automation increases safety by significantly reducing human intervention and potential errors. Your controllers are prompted to intervene if required thanks to automated warning messages.

Altéa Departure Control – Flight Management checks that controllers are eligible to handle each aircraft type, publishes all pre- and post-departure documents and stores all messages and event records... automatically.

Flight Information Graphical User Interface

Get a complete overview of status of each flight on a single screen.

Customisable flight plans

The time line shows the status of scheduled activities and events dynamically.

Aircraft weight summary

Aircraft weights summary including crew and pantry details, traffic load, fuel status, maximum certified weights, actual and predicted underload.

Passenger data

Breakdown of booked, accepted and estimated to board passengers by class and destination.

Flight Information | Deadload | Load Distribution | Fuel | Passenger | Documents | Messenger

6X35 19JUN
LHR-MAA+ S1430 D
744 6X-NLB ACARS

My Flights

- 56:12 6X9954 CMB 56:12
- 54:42 6X560 LHR 54:42
- 54:42 6X9952 BKX 54:42
- 46:12 6X35 LHR 46:12
- 632:02 6X6 NRT 632:02

Aircraft Details:

- Registration: 6X-NLB
- Aircraft Subtype: 74K
- Routing: LHR-MAA
- LHR Departure Time: 19JUN S1430 L
- Departure: Terminal 4 - 4
- Arrival: Anna International T...
- Fitted Interior: 14F/38J/36W/263M
- Aircraft Location: GTE 3

Weight Summary:

- Basic Weight: 183 601 2100.00 IU
- + Pantry: E1 5 122 -16.40 IU
- + Crew: 4/14 1 618 -8.99 IU
- + SWA: 1 000 27.50 IU
- + Ballast/Trapped Fuel: 0 0.00 IU
- DOW: 191 341 2102.11 IU
- + Traffic Load: 42 975
- ZFW: 234 316 MZFW: 248 115
- + Usable Fuel: 112 700 F
- Taxi Fuel: 1 000
- TOW: 346 016 RTOW: 382 600
- Trip Fuel: 93 700
- LDW: 252 316 MLDW: 288 938
- Actual Underload: 13 799
- To Come Weight: 0
- Predicted Underload: 13 799

Joining Passengers:

	F	J	W	M	Total
Booked	13	32	35	223	303
Accepted	13	20	31	189	253
ETB	13	32	35	223	303

Forecast Zero Fuel Weight:

- Forecast ZFW: 234 316
- Flight Planning Issue 2: 235 119
- Provisional Loadsheet Issue 1: 235 119

Centre Of Gravity

Trim by Seat Row

Messages

TIME	MESSAGE
21 Jun 12 18:26	Load Control Load Sheet Finalised
21 Jun 12 18:25	Acceptance Finalised
21 Jun 12 18:23	Load Control Closed - Approve Distribution completed
21 Jun 12 18:23	Load Control Finalised
21 Jun 12 18:22	External Cargo Feed received and processed

Units of Weight: Kg | PW | Cargo Final - E | GO LF AF BC LIR | PRV 1 | 12:42

Shift summary

Display all flights allocated to a load controller to allow simultaneous monitoring of multiple flights.

Message summary

An audit trail of events, activities and interfaces processed during a life cycle of a flight.

Zero Fuel Weight (ZFW) forecast and centre of gravity

Automatic ZFW calculation uses current and historical passenger, baggage and cargo data dynamically.

Key features



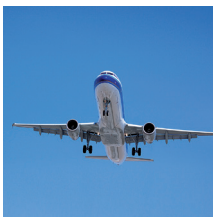
Load distribution

Fully automatic, semi-automatic and manual load distribution

- _ Distribution solutions for each aircraft type
- _ Multiple weight-specific checks
- _ Dangerous and special goods checks for location, proximity and compatibility
- _ Automatic load distribution sequencing by load priority
- _ Multi-leg flight calculations



Choice of fully-automatic, semi-automatic and manual load distribution



Weight and balance

Legal, structural and business requirements met at all times

- _ Automatic aircraft weight calculation
- _ Breakdown of weight for payload calculations
- _ Accurate trim calculations using bay pallet positions
- _ Accurate Estimated Zero Fuel Weight calculation
- _ Dynamic calculation of centre of gravity
- _ Passenger distribution options by class, cabin area and seat row



Fuel management

Interface with flight planning system

- _ Historical, provisional and final data
- _ Automated interface with carrier flight planning systems or aircraft for fuel updates
- _ Fuel uplift and distribution optimised taking into account selected fuel density
- _ Dynamic update and maintenance of historical fuel records
- _ Automated structural limit updates from a flight planning interface or by manual input



Capacity management

Calculation of optimum capacity available for cargo, mail, baggage and other commodities

- _ Historical statistics, business rules and priorities integrated
- _ Baggage commodity classifications set at carrier level via the database management interface
- _ Allocation of bags per commodity subtype to a Unit Loading Device or bulk location
- _ Business rules for transferring baggage categorized by: connection types; destination or flight number; minimum connection times; and priority



Staff management

Built-in staff management tools

- _ Aircraft and dangerous goods licencing and validity checks for load controllers
- _ Staff management reports
- _ Allocation of flights to load controllers



Ground handling

Replication of each operating carrier's processes

- _ Handling flights from any carrier, both Altéa and non-Altéa in the same, unique graphical user Interface



Ramp management Information sharing between ramp staff and load controllers

- _ Modify and update load details once the load plan has been approved and released by the load controller
- _ Exchange messages with the load controller and add supplementary information for post departure messages
- _ Clear items as they are loaded. Both the ramp agent and load controller can monitor ramp activities



Freight management Automatic processing of data from external cargo systems

- _ Generation of cargo, dangerous goods and special load data
- _ Cargo status updates within the system
- _ Assigned/unassigned deadload, offload, standby and transfer to and from flights

With Amadeus Departure Control – Flight Management you can:

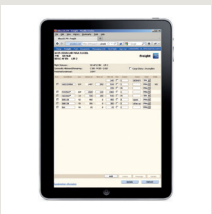
- _ Cut costs by automatically calculating ideal trim and Zero Fuel Weight
- _ Increase productivity by managing many flights in a single screen and automating load distribution
- _ Improve safety by reducing the risk of human error
- _ Stay ahead of the competition thanks to Amadeus' commitment to innovation

Main options



Altéa Mobile Ramp A flexible html GUI to manage ramp handling activities

- _ Access using mobile tablets and a web connection
- _ Load Instruction Report accessed in real time
- _ Updates do not require airport certification or software installed on airport workstations



Altéa Mobile Freight Access to freight application using any computer or hand-held device through an internet connection

- _ External or internal freight agent can enter cargo information and distribute it to flights
- _ Secure access levels identical to Altéa Departure Control – Flight Management
- _ No need to deploy the GUI and certify every version



Altéa Departure Control Events Notifications Communication of flight event information to external systems in real time

- _ Activities triggered in Altéa Departure Control – Flight Management and Customer Management inform Altéa Departure Control Events Notifications of any changes impacting a flight
- _ Generates flight event notifications for airlines' external systems
- _ Flight event business rules determine which external system(s) are notified
- _ Flight data (airline code, flight number and date, leg impacted) sent with the event name

Trusted technology partner

As the global travel industry's leading technology partner, Amadeus is committed to helping you overcome your biggest business challenges by continuing to provide innovative and advanced integrated solutions, plus best-in-class support and expert consulting services.

Find out more

For further information, visit www.amadeus.com/airlineit or speak to your Amadeus Account Manager today.